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700 Series Dot Matrix Printer



The Centronics Model 701 dot matrix printer is a 60 character-per-second bidirectional printer that offers increased throughput by intelligently seeking the nearest character of the next print line (logic-seeking), thus eliminating time consuming carriage returns.

It is ideally suited to applications in small business systems, banking/credit operations, medical laboratories, reservation systems, and forms handling.

Model 701 produces clear 5 x 7 dot matrix characters, printing on plain paper, fan fold paper, roll paper, or pre-printed forms. A tractor feed is standard. Data is printed at 60 cps bidirectional with logic seeking, allowing speeds of from 25 to 120 lines per minute in formats up to 132 columns. The cartridge is an enclosed continuous ribbon.

Model 701 also features an alert indicator to signal an operator-correctable error condition. The operator also can control the horizontal and vertical forms positioning for filling out intricate pre-printed forms. A forms thickness control enables the unit to be adjusted for multiple copies.

In addition, there are many electronic options available at extra cost to tailor the Model 701 to meet special operating requirements.

STANDARD FEATURES

- 60 characters/second
- 132 characters/line
- 25 to 120 lpm
- 5.5 ips slew rate
- LSI electronics
- 5 x 7 dot matrix
- 10 cpi horizontal
- 6 lpi vertical
- Tractor paper feed
- Paper out indicator
- Auto motor control
- Column scale & tear bar
- Elongated characters by line
- Ribbon cartridge
- Bidirectional logic seeking

RIBBON SYSTEM

- Continuous ribbon $\frac{9}{16}$ " (14mm) wide, 20 yards (18.3 meters) long
- Mobius loop allows printing on upper and lower portions on alternate passes

PANEL INDICATORS

- Power ON: Indicates AC power is applied to printer
- Select: Indicates printer can receive data
- Alert: Indicates operator-correctable error condition

OPERATOR CONTROLS

- Power ON/OFF
- Select/Deselect
- Forms thickness
- Horizontal forms positioning
- Vertical forms positioning

DATA INPUT

- 7 or 8 bit ASCII parallel, TTL levels with strobe, acknowledge pulse indicates that data was received

ELECTRICAL REQUIREMENTS

- 60 Hz; 115VAC, +10%/-15% of Nominal
- 50 Hz; 230VAC, +10%/-15% of Nominal

PHYSICAL DIMENSIONS

- Weight: 60 lbs. (27 Kg)
- Width: 24.5" (622mm)
- Height: 8" (203mm)
- Depth: 19.5" (495mm)

TEMPERATURE

- Operating: 40° to 100°F (4.4° to 37.7°C)
- Storage: -35° to 130°F (-37.2° to 54.4°C)

HUMIDITY

- Operating: 20% to 90% (No Condensation)
- Storage: 5% to 95% (No Condensation)

OPERATOR SWITCHES AND INDICATORS

- Forms Override Switch: Allows printing to continue after paper empty is detected.
- Manual Line Feed Switch: Advances paper one line when depressed.
- Audio Alarm: Audible tone which is activated by software command or paper empty.

ELECTRONIC OPTIONS

- Non-Gated Data Strobe: Allows printer to accept data before the previous character is acknowledged.
- Auto CR on Paper Motion Command: Generates automatic carriage return upon receipt of LE, VT, FF causing the line of data to be printed.
- Inhibit Prime on Select: Prevents buffer and logic from being reset when printer is selected.
- Inhibit Delete: Prevents delete code (octal 177) from resetting printer and allows delete code to be used as a pad character.
- Inverted Data Strobe: The negative-going data strobe pulse is inverted.
- Auto Line Feed Enable: Allows printer to automatically perform a line feed upon receipt of CR.

Centronics provides a 90 day warranty against defects in workmanship and material under normal and proper use of this printer in an unmodified condition.

All Centronics repairs and service performed after the 90 day warranty period include a 30 day warranty on parts and workmanship.

CENTRONICS® PRINTERS